

**NIRT Daily Soybean SRS Worksheet**

Location: \_\_\_\_\_ Serial #: \_\_\_\_\_ Date: \_\_\_\_\_  
 Operator: \_\_\_\_\_ Temperature: \_\_\_\_\_ R.Humidity: \_\_\_\_\_  
 Instrument Constants:  $\odot$ O $\odot$  \_\_\_\_\_  $\odot$ P $\odot$  \_\_\_\_\_  
 Protein Constants: Slope \_\_\_\_\_ Intercept \_\_\_\_\_  
 Oil Constants: Slope \_\_\_\_\_ Intercept \_\_\_\_\_

PROTEIN					
SRS	Value	Run 1	Difference	Repeat	Difference
1					
2					
3					
4					
5					
Average					

Range of Differences (Maximum 0.60)

OIL					
SRS	Value	Run 1	Difference	Repeat	Difference
1					
2					
3					
4					
5					
Average					

Range of Differences (Maximum 0.45)

Bias Calculation:	Protein Average	<input type="text"/>	Oil Average	<input type="text"/>
	Minus Baseline	<input type="text"/>	Minus Baseline	<input type="text"/>
	Today's Bias	<input type="text"/>	Today's Bias	<input type="text"/>

Transfer range and bias results to the SRS Bias Log, calculate multi-run averages, and apply tolerances. Adjust the intercept constant for a constituent if it is out of tolerance.

**REPEAT RULES:**

1. Repeat any sample if an outlier is reported.
2. Repeat the SRS set if the range tolerances are exceeded.
3. If the range tolerances are exceeded on two consecutive runs and an individual SRS deviates by 0.40 for protein and 0.30 for oil, that sample may be temporarily dropped from the average. Contact TSD for a replacement.